1   ITZ characteristics

Given a microstructure with a slab of aggregate included, this selection can be used to analyze the phase fractions present as a function of distance from the aggregate surfaces. The user supplies the name of the microstructure to be analyzed. A file with with the same root name as the microstructure file, but with the extension `.agg` instead of `.img`, filename is created. This file contains the quantitative phase counts, in pixels, as a function of distance away from the aggregate surfaces. All solid phases are examined, in addition to saturated porosity and empty porosity. All of the phases and their corresponding integer IDs are tabulated in Appendix B. In addition, if the user provides an e-mail address, this same file will be sent by e-mail. The data in the file then can be further analyzed or plotted using whatever software the user prefers.

References